

FIG.1

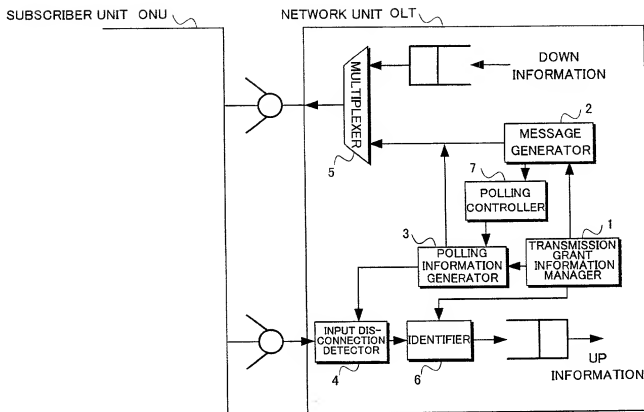


FIG.2

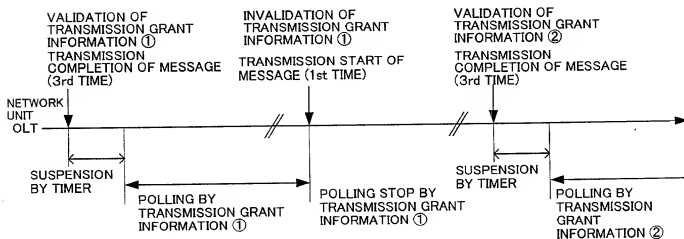


FIG.4

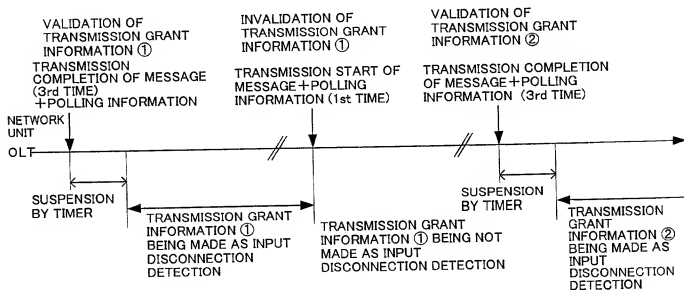


FIG.5

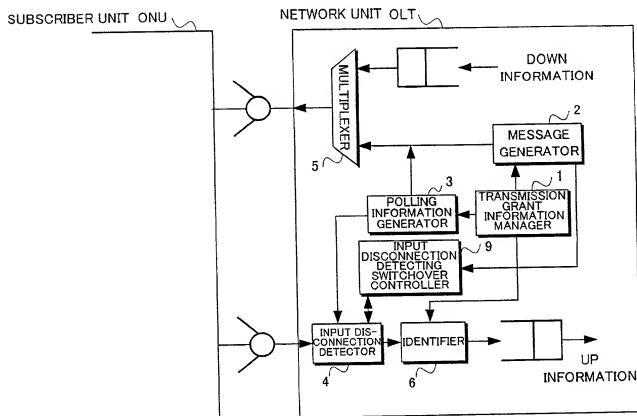


FIG.6

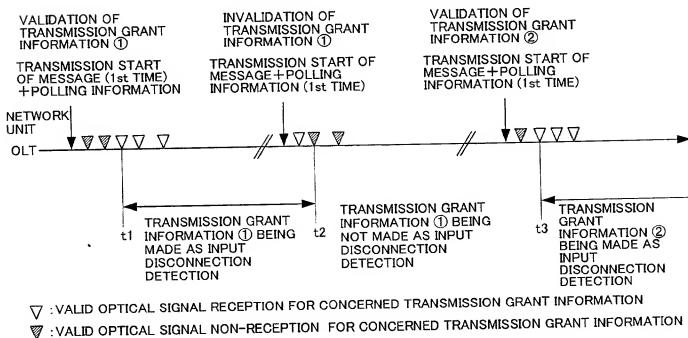
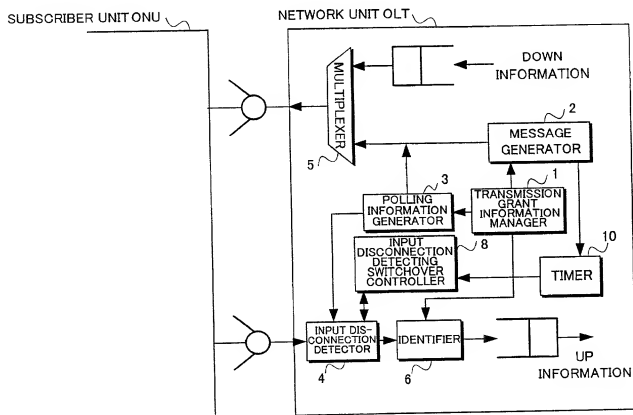


FIG. 7



10062488.020102

FIG.8A

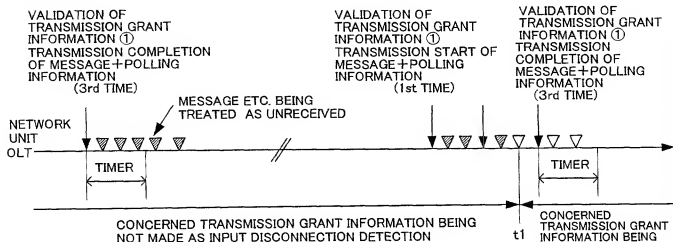
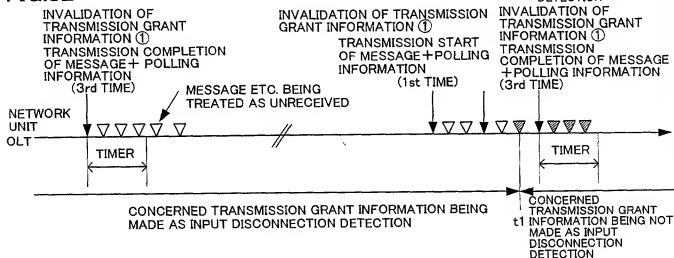


FIG.8B



▽ : VALID OPTICAL SIGNAL RECEPTION FOR CONCERNED TRANSMISSION GRANT INFORMATION

▼ : VALID OPTICAL SIGNAL NON-RECEPTION FOR CONCERNED TRANSMISSION GRANT INFORMATION

FIG.9

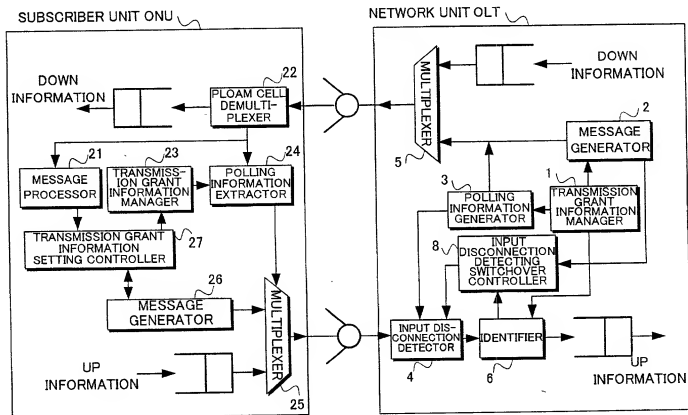


FIG.10

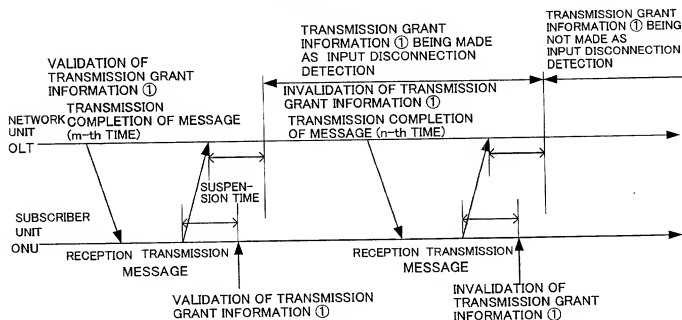
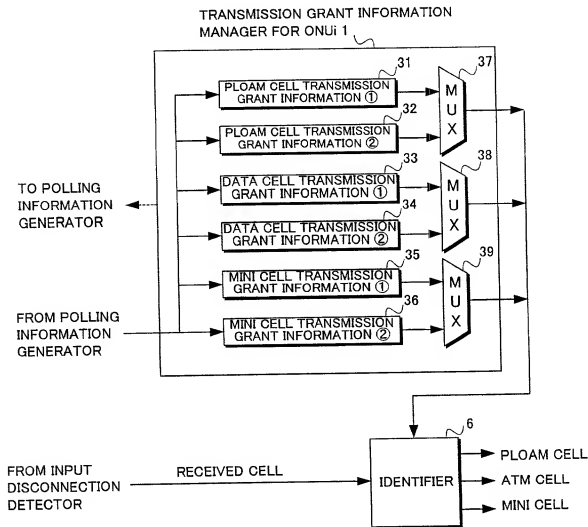


FIG.11



10062458.020102

FIG.12

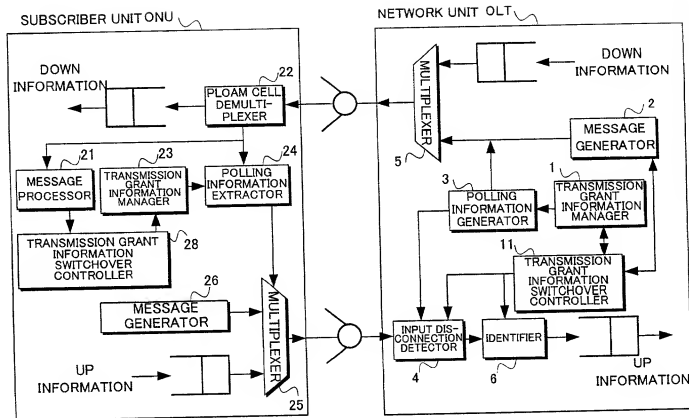


FIG.13

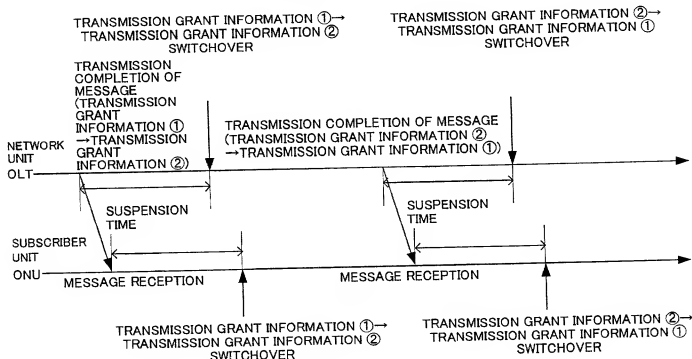


FIG.14

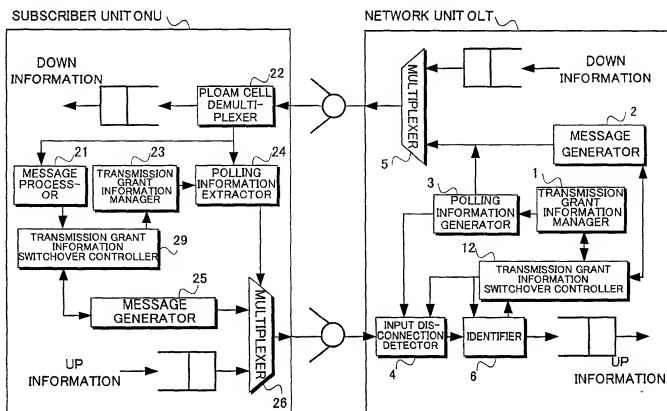


FIG.15

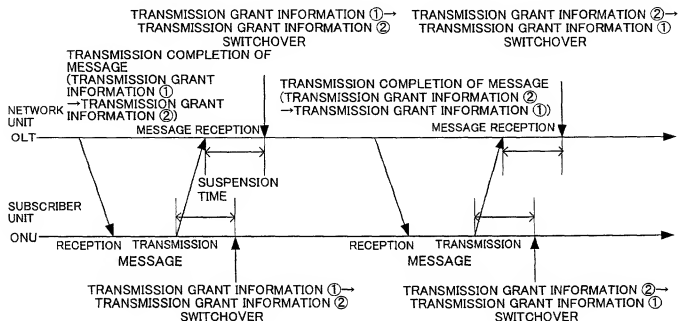


FIG.16

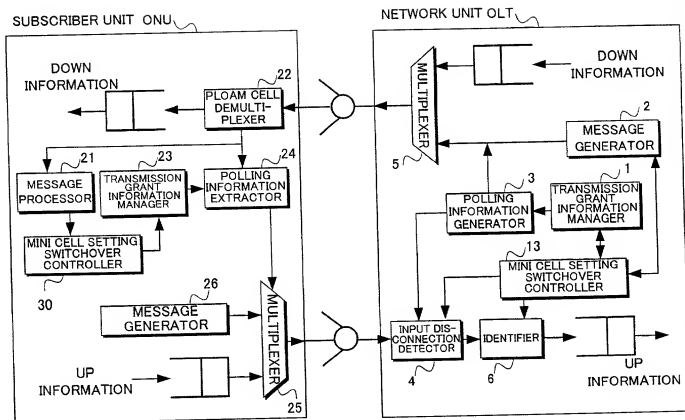


FIG.17

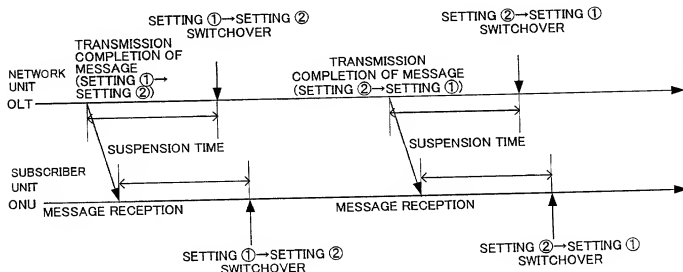


FIG.18

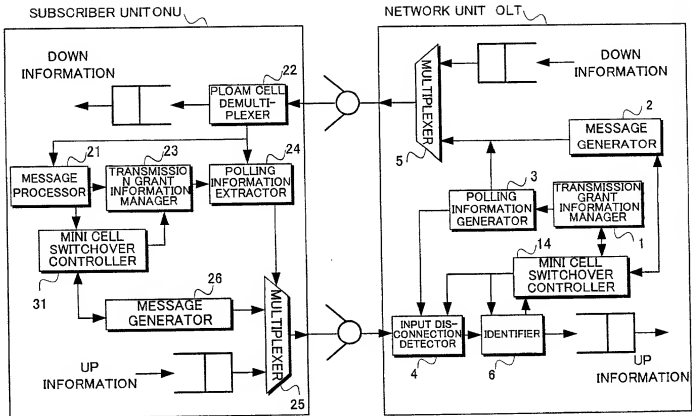


FIG.19

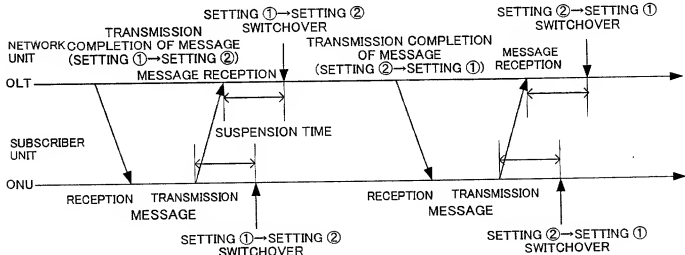


FIG.20

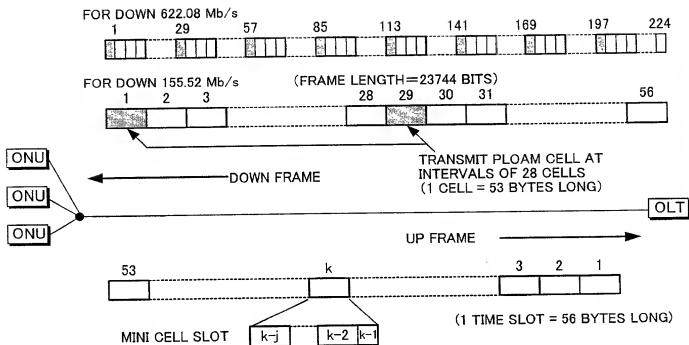


FIG.21

1	00000000 (Header-1)	28	GRANT18
2	00000000 (Header-2)	29	GRANT19
3	00000000 (Header-3)	30	GRANT20
4	00001101 (Header-4)	31	GRANT21
5	01110110 (HEC)	32	CRC
6	IDENT	33	GRANT22
7	SYNC1	34	GRANT23
8	SYNC2	35	GRANT24
9	GRANT1	36	GRANT25
10	GRANT2	37	GRANT26
11	GRANT3	38	GRANT27
12	GRANT4	39	CRC
13	GRANT5	40	MESSAGE_PON_ID
14	GRANT6	41	MESSAGE_ID
15	GRANT7	42	MESSAGE_FIELD1
16	CRC	43	MESSAGE_FIELD2
17	GRANT8	44	MESSAGE_FIELD3
18	GRANT9	45	MESSAGE_FIELD4
19	GRANT10	46	MESSAGE_FIELD5
21	GRANT11	47	MESSAGE_FIELD6
2	GRANT12	48	MESSAGE_FIELD7
22	GRANT13	49	MESSAGE_FIELD8
23	GRANT14	50	MESSAGE_FIELD9
24	CRC	51	MESSAGE_FIELD10
25	GRANT15	52	CRC
26	GRANT16	53	BIP
27	GRANT17		

10062488-020102

FIG.22

1	PON-Header1	29	LCF7
2	PON-Header2	30	LCF8
3	PON-Header3	31	LCF9
4	00000000 (Header-1)	32	LCF10
5	00000000 (Header-2)	33	LCF11
6	00000000 (Header-3)	34	LCF12
7	00001101 (Header-4)	35	LCF13
8	01110110 (HEC)	36	LCF14
9	IDENT	37	LCF15
10	MESSAGE_PON_ID	38	LCF16
11	MESSAGE_ID	39	LCF17
12	MESSAGE_FIELD1	40	RXCF1
13	MESSAGE_FIELD2	41	RXCF2
14	MESSAGE_FIELD3	42	RXCF3
15	MESSAGE_FIELD4	43	RXCF4
16	MESSAGE_FIELD5	44	RXCF5
17	MESSAGE_FIELD6	45	RXCF6
18	MESSAGE_FIELD7	46	RXCF7
19	MESSAGE_FIELD8	47	RXCF8
21	MESSAGE_FIELD9	48	RXCF9
2	MESSAGE_FIELD10	49	RXCF10
22	CRC	50	RXCF11
23	LCF1	51	RXCF12
24	LCF2	52	RXCF13
25	LCF3	53	RXCF14
26	LCF4	54	RXCF15
27	LCF5	55	RXCF16
28	LCF6	56	BIP

1005248.020102

FIG.23

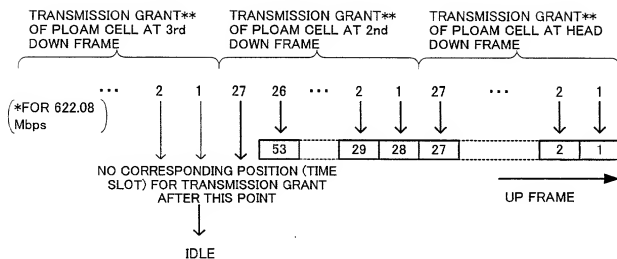


FIG.24

OCTET	CONTENTS	DESCRIPTION
40	MESSAGE_PON_ID	DESTINATION OF MESSAGE (SUBSCRIBER UNIT No. *:00000000-00111111)
41	MESSAGE_ID	00001010
42	DATA_GRANT	DATA CELL TRANSMISSION GRANT INFORMATION (00000000-11111100)
43	0000000a	a=1: VALIDATE ABOVE DATA CELL TRANSMISSION GRANT INFORMATION (VALIDITY) a=0: INVALIDATE ABOVE DATA CELL TRANSMISSION GRANT INFORMATION (INVALIDITY)
44	PLOAM_GRANT	PLOAM CELL TRANSMISSION GRANT INFORMATION (00000000-11111100)
45	0000000a	a=1: VALIDATE ABOVE PLOAM CELL TRANSMISSION GRANT INFORMATION (VALIDITY) a=0: INVALIDATE ABOVE PLOAM CELL TRANSMISSION GRANT INFORMATION (INVALIDITY)
46..51	—	—

FIG.25

OCTET	CONTENTS	DESCRIPTION
40	MESSAGE_PON_ID	DESTINATION OF MESSAGE (SUBSCRIBER UNIT NO. *:00000000-00111111)
41	MESSAGE_ID	00001011
42	0000000a	a=1: VALIDATE FOLLOWING MINI CELL TRANSMISSION GRANT INFORMATION (VALIDITY) a=0: INVALIDATE FOLLOWING MINI CELL TRANSMISSION GRANT INFORMATION (INVALIDITY)
43	DIVIDED_SLOT_GRANT	MINI CELL TRANSMISSION GRANT INFORMATION (00000000-11111100)
44	LENGTH	PAYLOAD LENGTH OF MINI CELL TRANSMITTED TO ABOVE MINI CELL TRANSMISSION GRANT INFORMATION
45	OFFSET	HEAD POSITION OF MINI CELL TRANSMITTED TO ABOVE MINI CELL TRANSMISSION GRANT INFORMATION
46	Service_ID	SERVICE ID
47..51	—	—

10062428-020102

FIG.26

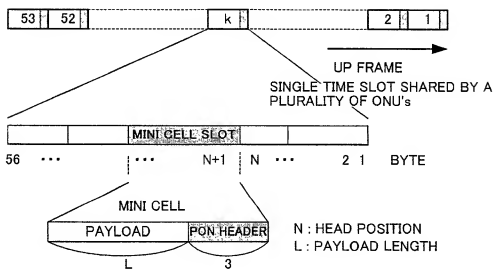
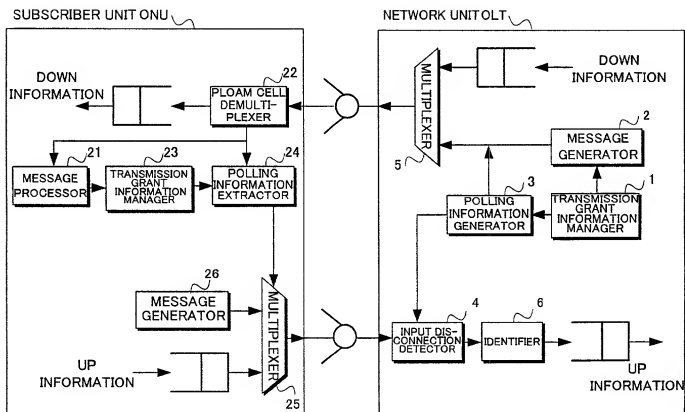


FIG.27



10062485.020102